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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/811,283	03/26/2004	Mark Newman	11743/1A	2181
26646	7590	11/15/2006	EXAMINER	
KENYON & KENYON LLP			HO, ANDY	
ONE BROADWAY			ART UNIT	
NEW YORK, NY 10004			PAPER NUMBER	
			2194	

DATE MAILED: 11/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/811,283

Applicant(s)

NEWMAN ET AL.

Examiner

Andy Ho

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 26 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 March 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>7/6/2004</u> . | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 2194

### **DETAILED ACTION**

1. This action is in response to the application filed 3/26/2004.
2. Claims 1-47 have been examined and are pending in the application.

### ***Drawings***

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description:

- 10, 11, 12, 14, 16, 18, 20, 22 (lines 8-31 page 15)
- Figure 4 (line 32 page 23)

Corrections are required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-47 are rejected under 35 U.S.C. 102(b) as being anticipated by Doan U.S Patent No. 6,192,369.

**As to claim 18**, Doan teaches a system comprising:

Art Unit: 2194

retrieving a portion of the data (retrieving data from, line 40 column 11) from the data store (database 112, line 40 column 11) via a persistence layer (110 controls access, line 11 column 6);

storing it in a domain object (DO 208, Fig. 2);

retrieving a portion of the data stored in the domain object (retrieve or update the attributes of a DO 208, 33-34 column 8);

storing it in a business object (BO 206, Fig. 2);

processing the data (BO 206 are used to perform business logic, lines 38-39 column 8).

**As to claim 19**, Doan further teaches providing a user interface (a user interface, line 8 column 6).

**As to claim 20**, Doan further teaches validating, calculating derived information and manipulating data stored in the domain objects (manipulating the encapsulated data, lines 12-13 column 7; retrieve, update, add, delete, lines 45-49 column 8).

**As to claim 21**, Doan further teaches posting a message from the domain object to a message queue (message queue class 212 with input and output message queues, lines 58-59 column 8).

**As to claim 22**, Doan further teaches anticipating a future retrieval of data (update state data, line 46 column 8).

**As to claim 23**, Doan further teaches pre-fetching the anticipated data (lines 22-56 column 8).

Art Unit: 2194

**As to claim 24**, Doan further teaches defining a hierarchy of a plurality of business objects (Fig. 2).

**As to claim 25**, Doan further teaches storing unique data to each domain object (the separation of each DO 208 in Fig. 8).

**As to claim 26**, Doan further teaches the data is a subset (logical unit of data from database 112, line 11 column 7) of the data stored in the data store.

**As to claim 27**, Doan further teaches refreshing the data stored in the business object in response to a change in the data stored in the domain objects (lines 38-54 column 8).

**As to claims 28-37**, note the discussions of claims 18-27 above, respectively.

**As to claims 38-47**, note the discussions of claims 18-27 above, respectively.

**As to claim 1**, note the discussion of claim 18 above.

**As to claim 2**, Doan further teaches the persistence layer includes an access object retrieves data from the data store and a maintenance object stores data in the data store (110 controls access to the database 112, lines 11-12 column 6).

**As to claim 3**, note the discussion of claim 19 above.

**As to claim 4**, Doan further teaches the user interface layer communicate with the business object layer via an adapter layer (204, Fig. 2).

**As to claim 5**, note the discussion of claim 20 above.

**As to claims 6-7**, note the discussion of claim 21 above.

Art Unit: 2194

**As to claim 8**, Doan further teaches a controller layer (202, Fig. 2).

**As to claims 9-12**, note the discussions of claims 24-27 above, respectively.

**As to claim 13**, Doan further teaches the business objects retrieves data from the data store solely via the domain objects (Fig. 2).

**As to claim 14**, Doan further teaches the domain layer provides a transaction mechanism for integrating data in the data store (methods of DO 208 perform operations on the database 112, lines 57-60 column 7).

**As to claim 15**, note the discussion of claim 2 above. Doan further teaches the persistence layer manages creation of the domain objects (lines 43-53 column 7) from data stored in the data store.

**As to claim 16**, note the discussion of claim 18 above.

**As to claim 17**, Doan further teaches a view object (dbdView object, line 25 column 7).

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy Ho whose telephone number is (571) 272-3762. A voice mail service is also available for this number. The examiner can normally be reached on Monday – Friday, 8:30 am – 5:00 pm.

Art Unit: 2194

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on (571) 272-3718.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIM) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

Any response to this action should be mailed to:

Commissioner for Patents

P.O Box 1450

Alexandria, VA 22313-1450

Or fax to:

- AFTER-FINAL faxes must be signed and sent to (571) 273 - 8300.
- OFFICAL faxes must be signed and sent to (571) 273 - 8300.
- NON OFFICAL faxes should not be signed, please send to (571) 273 -

3762

  
SUPERVISORY PATENT EXAMINER  
571-272-3718